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Substitute for form 1449B/PTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Application Number	10/736,989
Filing Date	12/17/2003
First Named Inventor	James Cunningham
Group Art Unit	3725
Examiner Name	Unassigned
Attorney Docket Number	029318-0997

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
aj	A1	4,848,676		STHR	07/18/1989	
	A2	5,145,684		LIVERSIDGE ET AL.	09/08/1992	
	A3	5,298,262		NA ET AL.	03/29/1994	
	A4	5,302,401		LIVERSIDGE ET AL.	04/12/1994	
	A5	5,318,767		LIVERSIDGE ET AL.	06/07/1994	
	A6	5,328,404		BACON	07/12/1994	
	A7	5,336,507		NA ET AL.	08/09/1994	
	A8	5,336,662		LEE	08/09/1994	
	A9	5,340,564		ILLIG ET AL.	08/23/1994	
	A10	5,346,702		NA ET AL.	09/13/1994	
	A11	5,349,957		YUDELSON	09/27/1994	
	A12	5,352,459		HOLLISTER ET AL.	10/04/1994	
	A13	5,399,363		LIVERSIDGE ET AL.	03/21/1995	
	A14	5,401,492		KELLAR ET AL.	03/28/1995	
	A15	5,429,824		JUNE	07/04/1995	
	A16	5,447,710		NA ET AL.	09/05/1995	
	A17	5,451,393		LIVERSIDGE ET AL.	09/19/1995	
	A18	5,466,440		RUDDY ET AL.	11/14/1995	
	A19	5,470,583		NA ET AL.	11/28/1995	
	A20	5,472,683		ILLIG	12/05/1995	
	A21	5,494,683		LIVERSIDGE ET AL.	02/27/1996	
	A22	5,500,204		OSIFO	03/19/1996	
	A23	5,506,192		ANDERSON ET AL.	04/09/1996	
	A24	5,518,187		BRUNO ET AL.	05/21/1996	
	A25	5,518,738		EICKHOFF ET AL.	05/21/1996	
	A26	5,521,218		OSIFO	05/28/1996	
	A27	5,525,328		BACON ET AL.	06/11/1996	
	A28	5,543,133		SWANSON ET AL.	08/06/1996	
	A29	5,552,160		LIVERSIDGE ET AL.	09/03/1996	
	A30	5,560,931		EICKHOFF ET AL.	10/01/1996	
	A31	5,565,188		WONG ET AL.	10/15/1996	
	A32	5,569,448		WONG ET AL.	10/29/1996	
	A33	5,571,536		EICKHOFF ET AL.	11/05/1996	
	A34	5,573,749		ILLIG	11/12/1996	
	A35	5,573,750		SINGH	11/12/1996	
	A36	5,573,783		DESIENO ET AL.	11/12/1996	
	A37	5,580,579		RUDDY ET AL.	12/03/1996	
	A38	5,585,108		RUDDY ET AL.	12/17/1996	
	A39	5,587,143		WONG	12/24/1996	
	A40	5,591,456		FRANSON ET AL.	01/07/1997	
	A41	5,593,097		CORBIN	01/14/1997	

Examiner Signature

Date Considered

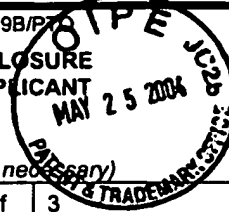
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Substitute for form 1449B/P INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/736,989	
			Filing Date	12/17/2003	
			First Named Inventor	James Cunningham	
			Group Art Unit	3725	
			Examiner Name	Unassigned	
Sheet	2	of	3	Attorney Docket Number	029318-0997

U.S. PATENT DOCUMENTS

U.S. Patent Document					
A42	5,593,657		RUDDY ET AL.	01/14/1997	
A43	5,608,101		LEE ET AL.	03/04/1997	
A44	5,622,938		WONG	04/22/1997	
A45	5,628,981		LIVERSIDGE ET AL.	05/13/1997	
A46	5,643,552		ILLIG	07/01/1997	
A47	5,718,388		CZEKAI ET AL.	02/17/1998	
A48	5,718,919		RUDDY ET AL.	02/17/1998	
A49	5,747,001		WIEDMANN ET AL.	05/05/1998	
A50	5,797,550		WOODALL ET AL.	08/25/1998	
A51	5,834,025		DE GARAVILLA ET AL.	11/10/1998	
A52	5,862,999		CZEKAI ET AL.	01/26/1999	
A53	6,045,829		LIVERSIDGE ET AL.	04/04/2000	
A54	6,068,858		LIVERSIDGE ET AL.	05/30/2000	
A55	6,153,225		LEE ET AL.	11/28/2000	
A56	6,165,506		JAIN ET AL.	12/26/2000	
A57	6,221,400	B1	LIVERSIDGE ET AL.	04/24/2001	
A58	6,264,922	B1	WOOD ET AL.	07/24/2001	
A59	6,267,989	B1	LIVERSIDGE ET AL.	07/31/2001	
A60	6,270,806	B1	LIVERSIDGE ET AL.	08/07/2001	
A61	6,316,029	B1	JAIN ET AL.	11/13/2001	
A62	6,375,986	B1	RYDE ET AL.	04/23/2002	
A63	6,428,814	B1	BOSCH	08/06/2002	
A64	6,431,478	B1	REED ET AL.	08/13/2002	
A65	6,432,381	B1	LIVERSIDGE ET AL.	08/13/2002	
A66	6,555,139	B2	SHARMA	04/29/2003	
A67	6,582,285	B1	CZEKAI ET AL.	06/24/2003	
A68	6,592,903	B2	RYDE ET AL.	07/15/2003	
A69	2002/0012675	A1	JAIN ET AL.	01/31/2002	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
ag	A70	EP	338 992	A2	SANDOZ AG	10/25/1989		
ag	A71	EP	394 889	B1	SANDOZ AG	10/31/1990		
ag	A72	EP	506 967	B1	NEW OJI PAPER CO. LTD.	10/07/1992		
ag	A73	EP	137 963	B1	STAUFFER CHEMICAL COMPANY	04/24/1985		
ag	A74	EP	186 118	B1	STAUFFER CHEMICAL COMPANY	07/02/1986		

Examiner Signature



Date Considered

JAN 13, 2005

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				Examiner Name	Unassigned
Sheet	3	of	3	Attorney Docket Number	029318-0997

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
aj	A75	EP	186 119	B1	STAUFFER CHEMICAL COMPANY	07/02/1986		
aj	A76	EP	186 120	B1	STAUFFER CHEMICAL COMPANY	07/02/1986		
aj	A77	EP	249 150	B1	STAUFFER CHEMICAL COMPANY	12/16/1987		
aj	A78	EP	336 898	A2	SANDOZ AG	10/11/1989		
aj	A79	EP	461 079	B1	NOVARTIS AG ET AL.	12/11/1991		
aj	A80	EP	549 524	A1	SANDOZ-PATENT-GMBH	06/30/1993		
aj	A81	EP	315 589	B1	ILFORD LIMITED	09/08/1993		
aj	A82	WO	91/10653	A1	E.I. DU PONT DE NEMOURS AND COMPANY	07/25/1991		
aj	A83	WO	02/098565	A1	ELAN PHARMA INTERNATIONAL LIMITED	12/12/2002		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
aj	A84	BEVAN, "A high-throughput screening method for the determination of aqueous drug solubility using laser nephelometry in microtiter plates", <i>Anal. Chem.</i> , 72:1781-7, (Apr. 15, 2000).	
aj	A85	HERTZBERG, "High-throughput screening: new technology for the 21 st century", <i>Curr. Opin. Chem. Biol.</i> , 4:445-51, (2000).	
aj	A86	LEUNER ET AL., "Improving Drug Solubility for Oral Delivery Using Solid Dispersions", <i>Eur. J. Pharm. Biopharm.</i> , 50:47-60 (2000).	
aj	A87	MCNAME, "Robotised assays", <i>Lancet</i> , 346:114 (1985).	
aj	A88	PANCHAGNULA ET AL., "Biopharmaceutics and pharmacokinetics in drug research", <i>Int. J. Pharm.</i> , 201:131-50 (May 25, 2000)	

Examiner Signature	<i>Allen SL</i>	Date Considered	JAN 13, 2005
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⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	1	of 1		

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
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	A2	2002/0145062	A1	REED ET AL.	10/10/2002	

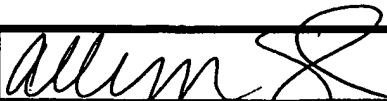
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
ag	A3	WO	03/000228	A2	LINDNER ET AL.	01/03/2003		
	A4	EP	0 686 428	A1	EASTMAN KODAK COMPANY	12/13/1995		
	A5	EP	0 600 528	A1	STERLING WINTHROP INC.	06/08/1994		

NON PATENT LITERATURE DOCUMENTS

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